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## **IMPROVED PROCESS FOR PRODUCING POLYBUTADIENE GOLF BALL CORES**

## **Abstract of the Disclosure**

An improved process for producing polybutadiene golf ball cores is disclosed. The golf ball cores are from polybutadiene rubber compositions having a high Mooney viscosity and/or a high molecular weight and a low dispersity is disclosed. An apparatus for producing the polybutadiene golf ball cores is also disclosed. The apparatus includes an internal mixer that compounds a batch of golf ball core stock. A sheeter forms sheets of golf ball core stock and has a sheeter inlet proximate the mixer outlet and a sheeter outlet. A preform shaper forms golf ball core preforms from the sheets of golf ball core stock.

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